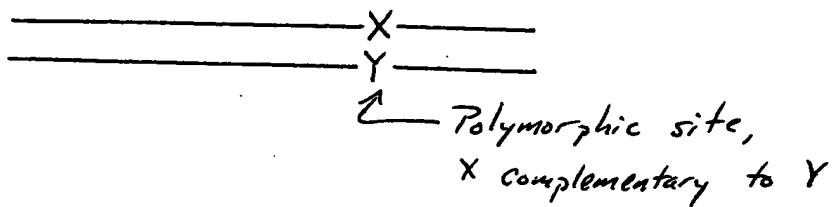
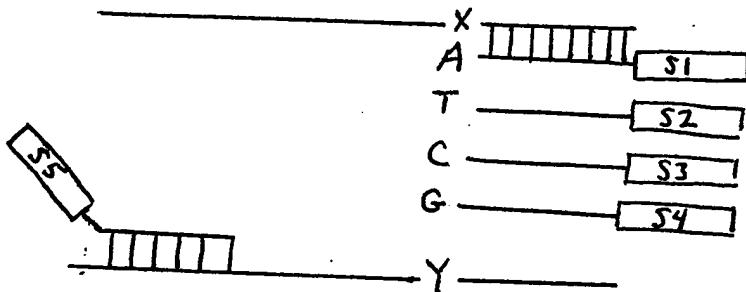


Fig. 1: Primer extension

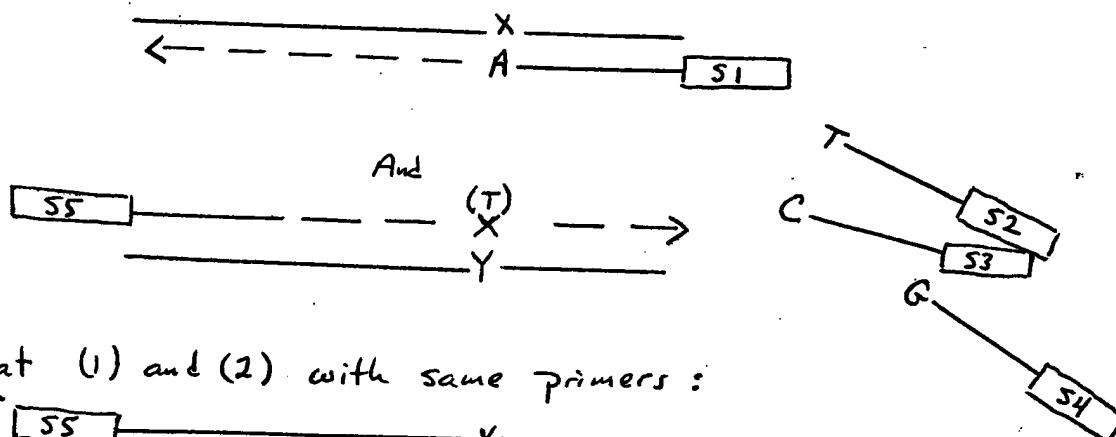
Template



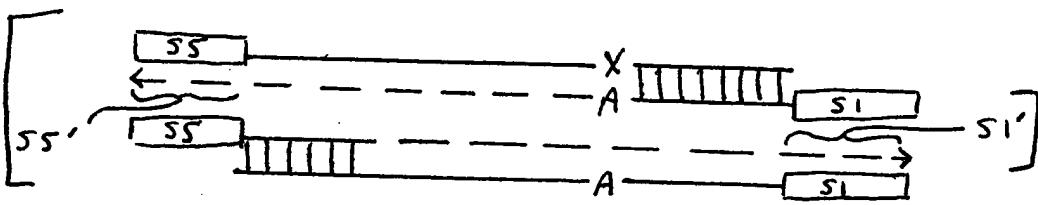
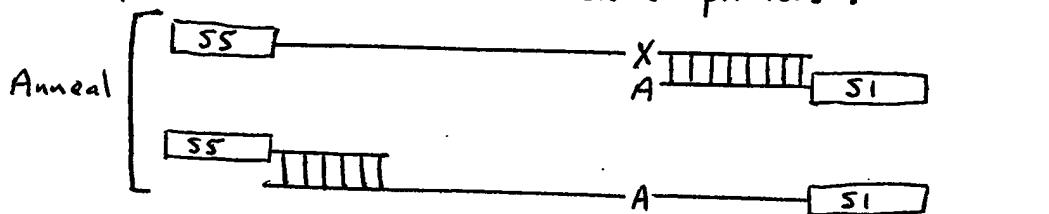
1. Strand separate, anneal primer extension primers:



2. Extend annealed primers:



3. Repeat (1) and (2) with same primers:



Tagged primer
extension products
w/ both tags or
complements thereof

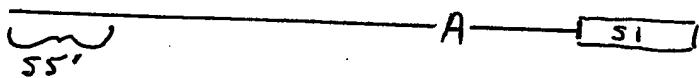
4. Destroy primers w/ heat-sensitive exonuclease

Fig. 2 : Amplification

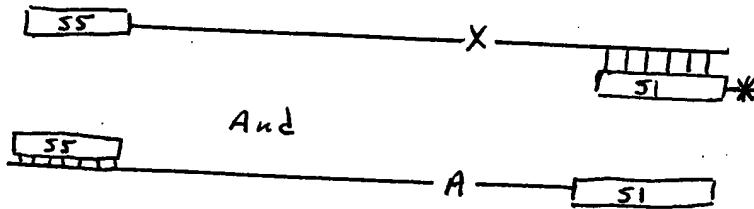
Start with :



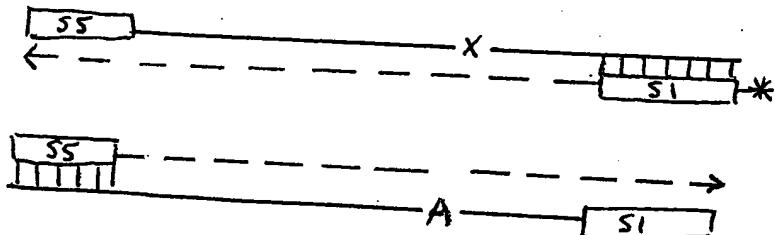
And



1. Strand separate, anneal new set of primers:



2. Extend annealed primers:



3. Repeat steps (1)+(2), 2 - 35 times



4. Size separate, detect label



Capillary Electrophoresis

Detect incorporated *, which corresponds w/ the primer extension primer terminating in A, thereby identifying the polymorphic nucleotide.